



*Infrastructure, environment, facilities*

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Subject

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site  
Supplemental Remedial Investigations/Feasibility Studies Monthly Progress Report  
Area 1 – Morrow Dam to Plainwell Dam (June 2008)

INDUSTRIAL

Dear Jim:

Attached is the 16<sup>th</sup> monthly progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Supplemental Remedial Investigation/Feasibility Study (SRI/FS) – Area 1. This progress report is submitted as per Paragraph 37 of the February 2007 Administrative Settlement Agreement and Order on Consent (AOC) for Remedial Investigations/Feasibility Studies (Docket No. V-W-07-C-864), as well as Section 7.1 of the associated Statement of Work (SOW). If you have any questions, please do not hesitate to contact me.

Date  
July 15, 2008

Sincerely,

ARCADIS

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Associate Vice President

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Attachments

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**MONTHLY PROGRESS REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/  
KALAMAZOO RIVER SUPERFUND SITE SRI/FS  
AREA 1 (MORROW DAM TO PLAINWELL DAM)**

**REPORT #16, JUNE 2008**

**PREPARED BY ARCADIS  
JULY 15, 2008**

**ON BEHALF OF THE KALAMAZOO RIVER STUDY GROUP (KRSG)**

**SUBMITTED TO**

**JAMES SARIC, REMEDIAL PROJECT MANAGER  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA)**

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/  
Kalamazoo River Superfund Site SRI/FS – Area 1**

**REPORT #16, JUNE 2008**

**Significant Developments and Activities During the Period, Including Actions Undertaken  
Pursuant to the AOC and SOW**

- On June 4, USEPA approved the revised Data Management Plan (DMP), which was submitted to USEPA on April 28. The DMP is discussed in Section 1.3 of the SOW.
- On June 10, ARCADIS submitted to USEPA a letter regarding the Area 1 SRI proposed Phase 2 sediment core analyses.
- On June 13, ARCADIS transmitted the final DMP to USEPA.
- On June 13, ARCADIS received from the peer review manager a request for additional information from peer review panel. In addition, ARCADIS and the peer review manager also discussed a tentative schedule for the peer review consensus meeting, determining that September 25<sup>th</sup> or 26<sup>th</sup> were likely to be the best dates for the peer review panel.
- On June 17, ARCADIS received CH2M HILL's draft comments on proposed SRI Phase 2 sampling plan for Portage Creek. The comments were dated July 13.
- On June 19, USEPA approved the May 2008 revised draft Risk Assessment Framework (RAF). The RAF is discussed in Section 1.2.1.5 of the SOW.
- On June 19, ARCADIS forwarded to NOAA copies of two presentations from the May 2008 peer review meeting.
- On June 24, USEPA forwarded to ARCADIS and the peer review manager the response from MDEQ and MDNR to questions posed by the peer review panel.
- Throughout June, the ARCADIS, USEPA and MDEQ discussed the disposal of historical archived sediment cores from Area 1. The KRSG awaits resolution of this issue.
- The KRSG awaits USEPA's response to the letter requesting USEPA's data usability determination for existing data for purposes of the SRI/FS, which was submitted to USEPA on August 27, 2007.
- The KRSG awaits USEPA's comments on the Multi Area FS documents (Section 1.2.2 of the SOW) and the Candidate Technologies and Testing Needs Technical Memorandum (Section 4.1 of the SOW), which were submitted to USEPA on February 22.
- The KRSG awaits USEPA's approval of the Conceptual Site Model (CSM), which was submitted to USEPA on April 18. The CSM is discussed in Section 1.2.1.4 of the SOW.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/  
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**REPORT #16, JUNE 2008**

- The KRSG awaits USEPA's approval of the proposed SRI Phase 2 sampling plan for Portage Creek sediment core collection, which was submitted to USEPA on May 29.
- The KRSG awaits USEPA's approval of the proposed Phase 2 sediment core analyses plan, which was submitted to USEPA on June 10.

**Data Collected and Field Activities Conducted During the Period**

- In June, ARCADIS collected water column samples every other day at the upstream and downstream locations related to the Former Plainwell Impoundment Time-Critical Removal Action (TCRA). Table A summarizes the collected samples that were sent to TestAmerica Laboratories, Inc. (TestAmerica) for analysis. This sampling is discussed in Section 3.4.5 of the Area 1 SRI/FS Work Plan.
- In June, ARCADIS performed a bank profile survey in the Plainwell No. 2 Dam Area.
- On June 2 through 6 and June 9 and 11, ARCADIS probed sediment along 22 transects in Plainwell No. 2 Dam Area. Table B presents the probing data.
- On June 3, ARCADIS collected floodplain grid cores in the Plainwell No. 2 Dam Area (Table C).
- On June 3 through 5 and June 9 through 12, ARCADIS segmented the floodplain grid cores collected on June 3. Table C presents the samples forwarded to TestAmerica for analysis.
- Starting on June 5, ARCADIS measured stream flow at the three stream gauges in the Plainwell No.2 Dam Area throughout June. Table E presents the data.
- On June 16 through 19 and June 23, ARCADIS collected top-of-bank soil samples. Table D presents the samples forwarded to TestAmerica for analysis.
- On June 16, MDEQ forwarded to ARCADIS observations made regarding the Plainwell No. 2 Dam Area.
- On June 17, ARCADIS forwarded to USEPA, MDEQ and CH2M HILL sediment probing data related to the Plainwell No. 2 Dam Area
- On June 25, CH2M HILL transmitted to ARCADIS a map of the areas where soft sediments were observed while probing between transects in the Plainwell No. 2 Dam Area.
- On June 25, ARCADIS forwarded to CH2M HILL proposed sample locations regarding the Plainwell No. 2 Dam Area.

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- On June 30, ARCADIS collected sediment cores in the Plainwell No. 2 Dam Area and placed these cores in the freezer in the Kalamazoo office (Table F).

**Laboratory Data Received During the Period**

- In June, ARCADIS received laboratory data for the surface water samples collected between May 18 and June 19 (sample delivery groups [SDGs] TCRA46, TCRA48, TCRA50, TCRA52, and TCRA55). Table A presents a list of the samples for which data were received. The August 2008 monthly report will present the validated surface water data for these samples.
- In June, ARCADIS began receiving the laboratory data for the floodplain grid cores that were collected in the Plainwell No. 2 Dam Area. Table C presents the SDGs received in June. SDG SRI009 and SRI011 were received on June 20, SRI012 and SRI013 were received on June 25, SRI014 was received on June 26, SRI015 was received on June 27, and SRI016 and SRI018 were received on June 30. The August 2008 monthly report will present the validated surface water data for these samples.
- Validated data for the SDGs received in April are included in this monthly report. These data include the surface water samples collected between March 27 and April 10 (SDGs TCRA32 and TCRA33) (Table G). Attachment A contains the validation reports for these packages. The enclosed CD also contains the EDD for these data.
- ARCADIS awaits the laboratory data for the remaining floodplain grid cores that were collected in the Plainwell No. 2 Dam Area, as well as the top-of-bank samples.

**Problems**

- None.

**Actions Taken to Correct Problems**

- None.

**Developments Anticipated During the Next Two Reporting Periods**

- On July 1, ARCADIS is scheduled to submit the final Risk Assessment Framework to USEPA.
- On July 1 through 3, ARCADIS is scheduled to collect additional sediment cores in the Plainwell No. 2 Dam Area and place those cores in the freezer in the Kalamazoo office.

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- During the week of July 7, ARCADIS is scheduled to perform a habitat assessment in the Plainwell No. 2 Dam Area.
- On July 15, USEPA and KRSG are scheduled to hold a meeting in Chicago to discuss the Area 1 SRI status and planning.
- Beginning July 21, ARCADIS is scheduled to segment the frozen sediment cores collected in the Plainwell No. 2 Dam Area. The segmented cores will be sent to TestAmerica for analysis.
- In July, ARCADIS is scheduled to perform a reconnaissance of the top of bank soils along the mill race between Plainwell No 2 Dam and the confluence with the Kalamazoo River.
- In July, USEPA and KRSG will continue to correspond as necessary with the Peer Review Manager as needed to address questions from the panel (see Section 1.2.1.3 of the SOW).
- In July, ARCADIS is scheduled to collect Phase 2 sediment cores in Portage Creek.
- In July, TestAmerica is scheduled to submit to ARCADIS the laboratory data for the remaining floodplain grid cores that were collected in the Plainwell No. 2 Dam Area, as well as the top-of-bank samples.
- In July and August, ARCADIS will continue to measure stream flow at the three stream gauges in the Plainwell No. 2 Dam Area.
- On August 15, ARCADIS is scheduled to submit the 3<sup>rd</sup> semi-annual progress report as outlined in Section 7.2 of the SOW.
- In August, ARCADIS will forward to USEPA the validated data for the surface water samples collected between April 12 and May 16 (SDGs TCRA35, TCRA37, TCRA39, TCRA41, TCRA43 and TCRA44) as part of the July monthly report.